[ANARTS - Australian National Amateur Radio Teletype Society]

This is the Australian National Amateur Radio Teleprinter Society,
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  3.545 MHz (Plus/minus 5)   0930 UTC     VK2CTD (COL)
  7.045 MHz  -3              0030 UTC     VK2CTD (COL)
 14.070 MHz (amtor/fec)      0030 UTC     VK2DPM (ALAN)
 14.091 MHz                  0030 UTC
146.675 MHz             0030/0930 UTC     VK2JPA (PAT)
144.850 MHz (ax25 bbs)                    VK2JPA AT VK2WI
146.675 MHz (rtty mmbbs/repeater)         VK2RTY


        INTERNET         RADIO-INFO-DIST AT UCSD.EDU
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at P.O. Box 60 Blacktown nsw 2148, with station identification,
bulletin no., date and the first news item or part thereof. In
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Views expressed in this news bulletin are not necessarily
those of the Broadcast Officer, the Relay Officers, or of the
Society.

A.N.A.R.T.S. News Bulletin 924 1 SEPTEMBER 1996

COLS COLUMN

THIS WEEK WE HAVE ANOTHER CHAPTER IN THE EARLY TELEGRAPH
SERIES. AND I BRING YOU 'DYARS TELEGRAPH'. IT IS INTERESTING
IN THAT IT USED BOTH A STATIC ELECTRIC MACHINE AND CHEMICAL
REACTION TO PRINT THE MESSAGE.

ON THE 8TH MARCH 1848 DYAR WROTE A LETTER TO DR BELL OF
CHARLESTOWN IN THE USA CLAIMING HE HAD EXPERIMENTED WITH THE
ELECTRIC TELEGRAPH IN 1826 AND 1827.

HE WROTE 'I INVENTED A PLAN OF A TELEGRAPH...BY MEANS OF
INSULATED WIRE, SUSPENDED ON POLES, AND THROUGH WHICH I
INTENDED TO SEND STROKES OF ELECTRICITY, IN SUCH A MANNER AS
THAT THE DIVERSE DISTANCE OF TIME SEPARATING THE DIVERSE
SPARKS SHOULD REPRESENT THE DIFFERENT LETTERS OF THE ALPHABET,
AND STOPS BETWEEN THE WORDS ETC. THIS ABSOLUTE, OR THIS
RELATIVE, DIFFERENCE OF TIME BETWEEN THE SEVERAL SPARKS I
INTENDED TO TAKE OFF FROM AN ELECTRIC MACHINE BY A LITTLE
MECHANICAL CONTRIVANCE, REGULATED BY A PENDULUM WHILE THE
SPARKS THEMSELVES WERE INTENDED TO BE RECORDED UPON A MOVING
OR REVOLVING SHEET OF MOISTENED LITMUS PAPER, WHICH, BY THE
FORMATION OF NITRIC ACID BY THE SPARK IN ITS PASSAGE THROUGH
THE PAPER WOULD LEAVE A RED SPOT FOR EACH SPARK....

NOW YOU WILL PERCEIVE THAT THIS PLAN IS LIKE THAT KNOWN AS
MORSE'S TELEGRAPH, WITH THE EXCEPTION THAT HIS IS INFERIOR TO
MINE, INASMUCH AS HE AND OTHERS NOW MAKE USE OF ELECTRO-
MAGNETISM, IN PLACE OF THE SIMPLE SPARK, WHICH REQUIRES THAT
THEY SHOULD, IN ORDER TO GET DOTS, OR MARKS, UPON PAPER, MAKE
USE OF MECHANICAL MOTIONS, WHICH REQUIRE TIME, WHEREAS MY DOTS
WERE PRODUCED BY CHEMICAL ACTION OF THE SPARK ITSELF, AND
WOULD BE FOR THAT REASON, TRANSMITTED AND RECORDED WITH ANY

REQUIRED VELOCITY'. DYAR THEN DESCRIBES HOW HE SUSPENDED A WIRE ON GLASS INSULATORS ROUND THE OLD UNION RACECOURSE AT LONG ISLAND. THE EXPERIMENT WAS SUCCESSFUL ENOUGH TO MAKE HIM CONTEMPLATE A LINE TO PHILADELPHIA.

HOWEVER HE BECAME INVOLVED IN LEGAL SUITS INCLUDING A THREAT OF AN ACTION FOR ILLEGAL COMMUNCATION BETWEEN CITIES. HE DID NO MORE WORK ON TELEGRAPHS, WHICH IS UNFORTUNATE BECAUSE THIS MUST HAVE BEEN THE FIRST 'RECORDING' TELEGRAPH. DYAR WAS THE FIRST PERSON TO NOTICE THAT ELECTRICITY CHANGES THE COLOUR OF LITMUS.

DYAR WAS FOLLOWED BY OTHER EXPERIMENTERS WHO ATTEMPTED TO USE THE COLORATION 'OF CHEMICALLY TREATED PAPER TO INDICATE THE RECEPTION OF A TELEGRAPHIC SIGNAL, AMONG THEM WERE - MORSE, DAVY AND BAIN.

WELL THATS IT FOR THIS WEEK...YOU WILL HAVE TO DECIPHER THE STYLE OF WRITING IN USE WHEN DYAR WROTE TO DR BELL TO MAKE SENSE OF HIS INVENTION...73S DE COL.

WEEKLY SOLAR AND GEOPHYSICAL REPORT

(23 AUGUST - 29 AUGUST)

ISSUED ON 30 AUGUST 1996

SUMMARY

Date	23	24	25	26	27	28	29
10cm	74	75	75	74	74	73	74
A	13	12	12	17	15	15 (23 estimated)	
T	12	13	12	17	15	15	27

SOLAR ACTIVITY WAS VERY LOW 24TH, 26TH TO 27TH AND 29TH AUGUST, AND LOW FOR THE REMAINDER OF THE WEEK.

THE GEOMAGNETIC FIELD AT LEARMONTH W.A. WAS UNSETTLED TO ACTIVE ON 23RD AND 25TH; QUIET TO UNSETTLED ON 24TH AND 26TH; QUIET TO ACTIVE ON 28TH, AND ACTIVE TO MINOR STORM ON 29TH AUGUST.

MAXIMUM USABLE FREQUENCIES AT SYDNEY WERE NEAR PREDICTED MONTHLY VALUES ALL WEEK WITH ENHANCEMENT TO 20 PER CENT 03-10 UT ON 29TH. SPREAD F WAS OBSERVED DURING LOCAL NIGHT ON 24TH.

FORECAST (30 AUGUST - 05 SEPTEMBER)

GEOMAGNETIC: ACTIVE ON 30 AUGUST, THEN DECLINING TO UNSETTLED ON 31 AUGUST. QUIET TO UNSETTLED LEVELS ARE EXPECTED ON OTHER DAYS.

FREQUENCIES: MOSTLY NEAR PREDICTED MONTHLY VALUES, HOWEVER DEGRADED HF COMMS QUALITY IS EXPECTED DURING INTERVAL 30-31 AUGUST DUE TO GEOMAGNETIC ACTIVITY.

COURTESY OF IPS RADIO AND SPACE SERVICES

RTDX0823 RTTY DX
VK2SG RTTY DXNOTES FOR WEEKENDING 23 AUGUS 96 (BID RTDX0823)

OUR INFORMATION THIS WEEK CAME FROM DJ3IW AND THE CENTRAL EUROPE DX CLUSTER DB0SPC, I5FLN AND THE IK5PWJ PACKETCLUSTER, IK4ZHH, W5KSI, WB2CJL, ZS5S AND THE NJ0M NODE OF THE MINNESOTA DX PACKET CLUSTER NETWORK. THANKS TO ALL FOR YOUR INFORMATION.

BANDPASS:
FRIDAY 16
0058-14083 7J1AYK/JD1 QSX 2-5 UP, QSL VIA W5VSZ
O112-14085 UN5PR
0146-14083 7J1AYK/JD1
0412-14083 7J1AYK/JD1
0957-7033 7J1AYK/JD1
1010-14233 9A3TB SSTV
1113-14083 7J1AYK/JD1
1140-14089 Z37CEF
1155-14089 EA9JZ
1226-14083 7J1AYK/JD1
1244-14081 UN5PR
1307-14083 VP8WA
1504-14087 9L1GA
1545-14084 BV7WB
1546-14085 EY8MM
1550-14087 ER5EDU
1612-14088 OH2GI
1622-14087 ED8VBV
1741-14088 T94KW
1836-14085 UT6IO
2017-14085 4X6UO
2346-14087 T92EZC

SATURDAY 17
0041-7032 YZ7ED
0121-3584 S53X
0130-3585 YL2KF
0136-7031 RK9CWA
0140-14089 VP8CKN
0141-7032 SV1BDO/7
0155-14085 ZL2AMI
0158-14085 ZL2JON
0201-14085 ZL1AMO
0219-7040 PJ2MI
0301-7041 LU9VET
0327-7041 YV1AVO
0459-3584 EO6F
0502-3582 GW5NF
0553-14082 7L4IOU
0652-14087 HL2WA
0712-14070 UA9TK
1323-14083 7J1AYK/JD1
1408-14087 4S7NR
1419-14082 ZS1CM
1546-14083 YB51RI
1549-14086 UR5EDU
1614-14081 HL2XL
1703-14082 9H0A
1713-14078 ZS6CC
1917-14073 CE8SFG
1929-14983 HK3SGP

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1951-7036  GW4KHQ
2003-21079 PY2KC
2011-7036  SV1BDO/7
2013-7033  UN5PR
2015-7036  RW6AWT
2030-14088 Z37CEF
2039-3582  RK9CWA
2040-7032  RK9CWA
2046-14075 YW1A
2108-14088 LU8EKC
2133-7030  PJ2MI
2157-14088 EO6F
2233-14082 CP1FF
2247-7060  WP4NHM
2315-7032  PY2KC
2328-7037  YL2KF

SUNDAY 18
0001-14083 FO5OP
0108-14087 KH6DRT
0658-14084 YU7AE
0813-7072  ZL2AMI
0831-3583  CO3ZD
0836-7039  ZL2JON
0845-14086 S58AA
0850-7086  VK5AI
0902-28080 9H0A
0935-28080 OH2LU
0938-14084 PI4CC
1018-7086  PJ2MI
1033-7030  HL2XL
1110-14084 YB51RI
1111-7033  7J1AYK/JD1
1141-14082 KQ4GC
1205-14079 RK9CWA
1211-14079 EA6BH
1211-14091 OH2GI
1213-14094 OH2LU
1215-21079 PT2BW
1300-14083 7J1AYK/JD1
1313-21079 9H0A
1424-21087 OH0/DL6LAU
1441-14079 T91EZC
1506-14079 UR7E
1522-14090 RK4LWZ
1842-14087 XT2DP
1955-14084 IS0YTA
2125-14086 CU3AH
2132-14080 HK3BZO
2214-14083 7J1AYK/JD1
2225-14083 HK3SGP
2239-14080 GD3HDL
2333-14083 EA8AW
2341-14084 VP5JM

MONDAY 19
0940-14082 7J1AYK/JD1
0947-14087 9L1GA
1023-14086 OI0LQK
1150-7033  AH4/OH0W QSL VIA KE7LZ
1345-7034  AH4/AH0W
1702-14084 SP1MHV
2017-14091 OY4TN
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2034-14085 AZ7FAF
2123-14086 HK6SQQ
2151-14081 HK6HFY
2243-14082 GW3FSW
2300-14087 HK3BZO

TUESDAY 20
0013-14086 SV2CBA
0013-14083 VR6MW
0035-14086 VP5JM
0906-14084 OH0/DL6LAU
0950-14083 KH4/AH0W
0954-14088 OH0LQK
0956-14085 7J1AYK/JD1
0959-14084 EA9JZ
1000-14082 AH4/AH0W
1008-14085 SV1BDO/7
1220-14091 UA2AO
1329-14081 HL2XL
1421-14086 UN5PR
1424-14082 RZ3AZ
1735-14088 9L1GA
1931-14087 Z37CEF
1951-14087 XT2DP
2034-14083 9H1EL
2157-14088 S58AA
2206-14082 UR4QIZ
2214-14083 OA4BR
2215-14083 CO2KG
2220-14086 EA2CMS
2241-14088 HK3DDD
2329-14087 P43DWC
2346-14084 AH4/AH0W

WEDNESDAY 21
0151-14082 AH4/AH0W
0311-14082 AH4/AH0W
0205-14081 7J1AYK/JD1
0514-14080 7J1AYK/JD1
0705-14089 OH0/DL6LAU
0719-14083 7J1AYK/JD1
0830-14086 OH0LQK
1119-7030 EA6PZ QSL VIA BOX 800, IBIZA, SPAIN
1214-14085 UA2AO
1310-14084 CO2KG
1835-14082 XT2DP
2333-14087 EA2CMS
2337-14080 LU5VC
2341-14082 AH4/AH0W

THURSDAY 22
0131-14084 AH4/AH0W
0209-14081 UN5PR
0324-14081 AH4/AH0W
0601-14086 TA2IO
0608-14083 JX7DFA
0701-14083 NH6XM
0713-14084 AH4/AH0W
1047-14082 CT1AAL
1319-14087 OH0LQK
1407-14082 UA2AO
1539-14233 HL3CJ
1620-14086 UR5EDU

1627-14085 A41KD
1811-14083 XT2DP
1913-14080 5H3LM

NOTES OF INTEREST:

SEYCHELLES, S7 - WX5L WILL AGAIN TRY A SCHEDULE WITH S79MAD THIS SUNDAY 25 AUGUST, AT 1300Z ON 14086 KHZ. IF YOU NEED THIS COUNTRY FOR A NEW ONE, YOU CAN E-MAIL WX5L AT WX5L(AT)AOL.COM .

THE VK2SG RTTY DX NOTES ARE ALSO AVAILABLE ON THE INTERNET ON REFLECTOR DIGITAL-DX(AT)ST.RIM.OR.JP. SEE ALSO THE OH2BUA WEBCLUSTER AT HTTP://WWW.CLINET.FI/JUKKA/WEBCLUSTER.HTML.

FOR NEXT WEEK'S BULLETIN SEND YOUR BANDPASS AND NOTES OF INTEREST TO LUCIANO, I5FLN(AT)ZS5S.ZAF.AF.

73 AND GOOD HUNTING DE JULES
W2JGRAT(AT)W5KSI.(HASHSIGN)NOLA.LA.USA.NA

COMING EVENTS

SEPTEMBER	28TH-29TH	CQ/DJ WW DIGITAL
OCTOBER	19TH-20TH	JARTS WW RTTY

Society information

The Society may be contacted at : PO Box 860, Crows Nest 2065 Australia, for such matters as membership and general enquiries. Enquiries can also be made by packet to the President (Col) VK2CTD at VKWI2, or the Secretary (Pat) VK2JPA at VK2WI.

Email address for the Secretary is :

patl(at)pitt.conmusic.su.oz.au
or patl(at)extro.ucc.su.oz.au

73s de Pat VK2JPA Broadcast Officer

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Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2KFU.NSW.AUS.OC | PGP 2.6
Opinions expressed are mine. | D8 15 71 F9 26 C8 63 40 5E 63 5C 65 FC A0 22 99